research. Use for software development or design or implementation
of commercial gateways or other similar uses is prohibited and may
result in loss of user privileges and other penalties.

* *

* * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 14:20:36 ON 02 MAY 2006

=> file casreact
COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                      ENTRY   SESSION
FULL ESTIMATED COST   0.21   0.21

FILE 'CASREACT' ENTERED AT 14:20:57 ON 02 MAY 2006
USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT
COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is
held by the publishers listed in the PUBLISHER (PB) field (available
for records published or updated in Chemical Abstracts after December
26, 1996), unless otherwise indicated in the original publications.

FILE CONTENT:1840 - 30 Apr 2006 VOL 144 ISS 18

New CAS Information Use Policies, enter HELP USAGETERMS for details.
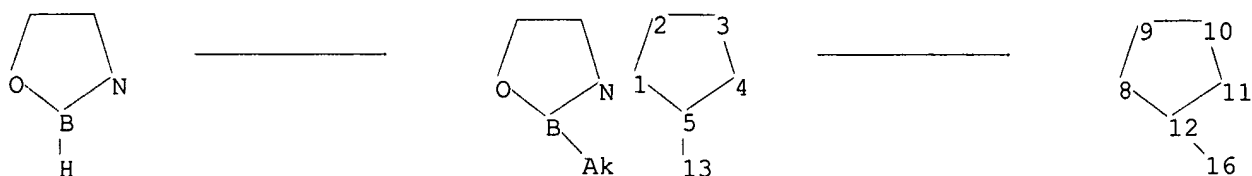
****
*   *
*   CASREACT now has more than 10 million reactions *
*   *
****

Some CASREACT records are derived from the ZIC/VINITI database (1974-1991)
provided by InfoChem, INPI data prior to 1986, and Biotransformations
database compiled under the direction of Professor Dr. Klaus Kieslich.

This file contains CAS Registry Numbers for easy and accurate substance
identification.

=>
Uploading C:\Program Files\Stnexp\Queries\10775011\10775011.1.str

O–N=B–H ———— O–N=B–Ak with ring labels 2,3,1,5,4,13 ———— ring labels 9,10,8,11,12,16

chain nodes :
13 16
ring nodes :
1 2 3 4 5 8 9 10 11 12
chain bonds :
5-13 12-16
ring bonds :
1-2 1-5 2-3 3-4 4-5 8-9 8-12 9-10 10-11 11-12
exact/norm bonds :
1-2 1-5 2-3 3-4 4-5 8-9 8-12 9-10 10-11 11-12 12-16
exact bonds :
5-13

G1:H,CH3

G2:n-Bu,CH3

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 8:Atom 9:Atom 10:Atom 11:Atom 12:Atom
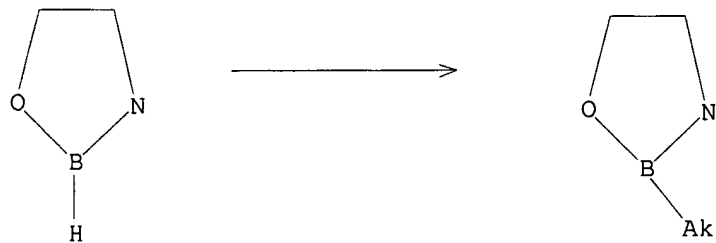13:CLASS 16:CLASS
fragments assigned reactant/reagent role:
containing 1

L1   STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1   STR

O–N=B–H ———→ O–N=B–Ak

G1 H,Me

G2 n-Bu,Me

Structure attributes must be viewed using STN Express query preparation.

=> s l1 ful
FULL SEARCH INITIATED 14:21:19 FILE 'CASREACT'
SCREENING COMPLETE -   6353 REACTIONS TO VERIFY FROM   284 DOCUMENTS

```
100.0% DONE     6353 VERIFIED      16 HIT RXNS                        3 DOCS
SEARCH TIME: 00.00.01

L2              3 SEA SSS FUL L1 (    16 REACTIONS)

=>
Uploading c:\Program Files\Stnexp\Queries\10775011\10775011.2

L3       STRUCTURE UPLOADED

=> d 13
L3 HAS NO ANSWERS
L3                   STR
```
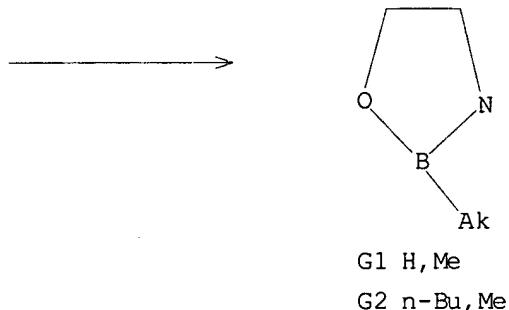


```
                                G1 H,Me

                                G2 n-Bu,Me



Structure attributes must be viewed using STN Express query preparation.


=> s 13 ful
FULL SEARCH INITIATED 14:22:25 FILE 'CASREACT'
SCREENING COMPLETE -   6353 REACTIONS TO VERIFY FROM      284 DOCUMENTS

100.0% DONE    6353 VERIFIED    4914 HIT RXNS                       175 DOCS
SEARCH TIME: 00.00.01

L4           175 SEA SSS FUL L3 (   4914 REACTIONS)

=>
Uploading c:\Program Files\Stnexp\Queries\10775011\10775011.3

L5       STRUCTURE UPLOADED

=> s 15
SAMPLE SEARCH INITIATED 14:26:25 FILE 'CASREACT'
SCREENING COMPLETE -     44 REACTIONS TO VERIFY FROM       10 DOCUMENTS

100.0% DONE      44 VERIFIED       6 HIT RXNS                         2 DOCS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE   **COMPLETE**
                        BATCH    **COMPLETE**
PROJECTED VERIFICATIONS:       483 TO      1277
PROJECTED ANSWERS:               2 TO       124

L6            2 SEA SSS SAM L5 (      6 REACTIONS)

=> s 15 ful
FULL SEARCH INITIATED 14:26:30 FILE 'CASREACT'
SCREENING COMPLETE -   6353 REACTIONS TO VERIFY FROM      284 DOCUMENTS
```

```
100.0% DONE     6353 VERIFIED      151 HIT RXNS                          21 DOCS
SEARCH TIME: 00.00.01

L7           21 SEA SSS FUL L5 (    151 REACTIONS)

=> d ibib hit 1-21
```
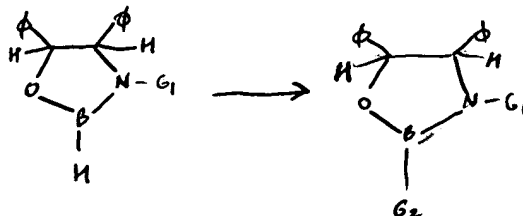
Connecting via Winsock to STN

Welcome to STN International!   Enter x:x

LOGINID:SSPTAMPB1626

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

5.2.06
1 reference
$G_1 = H, Me$?
$G_2 = n\text{-}Bu, CH_3$

* * * * * * * * *   Welcome to STN International   * * * * * * * * * *
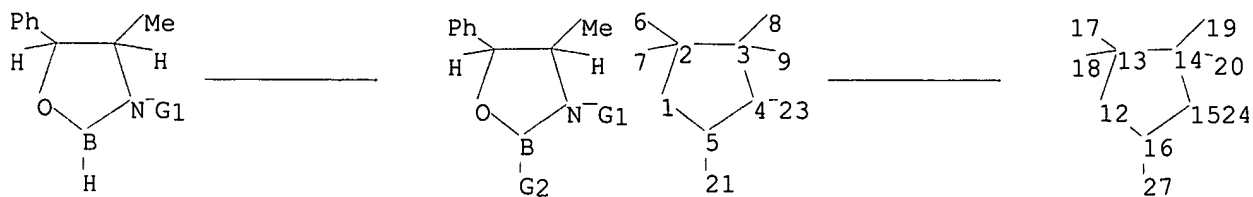
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NEWS 3   DEC 23 New IPC8 SEARCH, DISPLAY, and SELECT fields in USPATFULL/
                  USPAT2
NEWS 4   JAN 13 IPC 8 searching in IFIPAT, IFIUDB, and IFICDB
NEWS 5   JAN 13 New IPC 8 SEARCH, DISPLAY, and SELECT enhancements added to
                  INPADOC
NEWS 6   JAN 17 Pre-1988 INPI data added to MARPAT
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NEWS 14   FEB 28 TOXCENTER reloaded with enhancements
NEWS 15   FEB 28 REGISTRY/ZREGISTRY enhanced with more experimental spectral
                  property data
NEWS 16   MAR 01 INSPEC reloaded and enhanced
NEWS 17   MAR 03 Updates in PATDPA; addition of IPC 8 data without attributes
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NEWS EXPRESS   FEBRUARY 15 CURRENT VERSION FOR WINDOWS IS V8.01a,
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               AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005.
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               http://download.cas.org/express/v8.0-Discover/

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Enter NEWS followed by the item number or name to see news on that
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Ph   Me   Ph   Me   6\   /8   17   /19
H   H   H   H   7/2   3\9   18/13 14\20
                          1   4‾23   12   1524
O   N‾G1   O   N‾G1   5   16
   B   B   21   27
   H   G2

chain nodes :
6 7 8 9 17 18 19 20 21 23 24 27
ring nodes :
1 2 3 4 5 12 13 14 15 16
chain bonds :
2-6 2-7 3-8 3-9 4-23 5-21 13-17 13-18 14-19 14-20 15-24 16-27
ring bonds :
1-2 1-5 2-3 3-4 4-5 12-13 12-16 13-14 14-15 15-16
exact/norm bonds :
1-2 1-5 2-3 3-4 4-5 4-23 12-13 12-16 13-14 14-15 15-16 15-24 16-27
exact bonds :
2-6 2-7 3-8 3-9 5-21 13-17 13-18 14-19 14-20

G1:H,CH3

G2:n-Bu,CH3

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS 12:Atom
 13:Atom 14:Atom 15:Atom 16:Atom 17:CLASS 18:CLASS 19:CLASS 20:CLASS
21:CLASS 23:CLASS 24:CLASS 27:CLASS
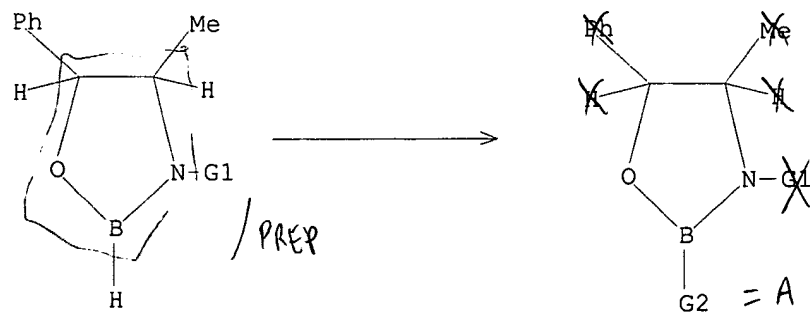fragments assigned reactant/reagent role:
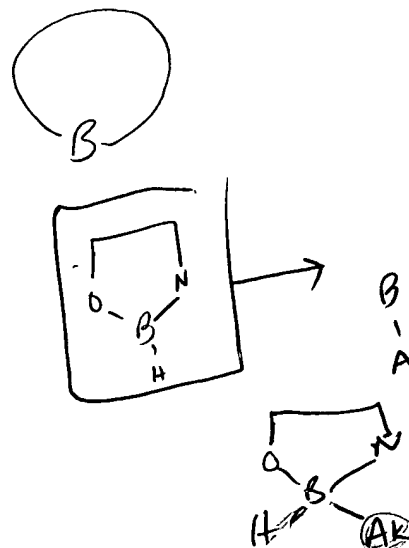containing 1

L1   STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1   STR

Ph   Me   Ph   Me
H   H   X   X
O   N┤G1   O   N-G1
   B   B
   H   G2 = A
      / PREP

G1 H,Me
G2 n-Bu,Me

Structure attributes must be viewed using STN Express query preparation.

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Welcome to STN International!   Enter x:x

LOGINID:SSPTAMPB1626

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * *   Welcome to STN International   * * * * * * * * * *

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